

PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
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Report No. 456 EXPERIMENTAL ACTIONS

The Commission, by its Office of Engineering and Technology, Experimental Licensing Branch, granted the following experimental applications during the period from 4/1/14 to 4/30/14:

- **ALCATEL-LUCENT 0258-EX-PL-2014 WH2XEJ**
New experimental to operate on 2 GHz for LTE testing
Fixed: Murray Hill (Union), NJ
- **ANAREN MICROWAVE, INC. 0115-EX-PL-2014 WH2XEG**
New experimental to operate in 902 – 928 MHz for equipment verification testing for unlicensed devices.
Fixed: East Syracuse (Onondaga), NY
- **BASIC COMMERCE & INDUSTRIES INC 0780-EX-PL-2013 WG2XZJ**
New experimental to operate in 9300 – 9400 MHz for research and development phased-array weather radar
Fixed: Moorestown (Burlington), NJ
- **BNSF RAILWAY CO 0253-EX-PL-2014 WH2XDR**
New experimental to operate in 220.125-220.15 MHz, 220.425-220.45 MHz, 220.725-220.75 MHz and 220.75-220.775 MHz to conduct tests of a system to support the implementation of Positive Train Control (PTC) technology.
Fixed & Mobile: Statewide WA
- **BOEING COMPANY, THE 0763-EX-PL-2013 WG2XYN**
New experimental to operate in 2400.00 - 2483.50, 5150.00 - 5350.00 and 5725.00 - 5825.00 MHz for testing secure network device
Fixed: Huntington Beach (Orange), CA
- **BOEING COMPANY, THE 0180-EX-PL-2014 WH2XBW**
New experimental to operate in 14.40 - 14.83, 14.7145 - 15.1365, 15.15 - 15.35 and 16.20 - 17.30 GHz for testing to support Boeing IRAD demonstration equipment

Mobile: Flight level 10,000 ft AGL, Edwards AFB, CA; Palmdale, CA; Tukwila, WA

- **BOEING COMPANY, THE 0223-EX-PL-2014 WH2XCT**
New experimental to operate on 413.20 and 413.325 MHz for testing ground and flight checkouts of the aircraft
Mobile: 27000 ft MSL flight level, San Antonio
- **BOEING COMPANY, THE 0224-EX-PL-2014 WH2XCU**
New experimental to operate on 9330.00 and 9375.00 MHz for testing color weather radar for performing ground and flight checkouts of the aircraft
Mobile: 45000 FT MSL Flight level, San Antonio, TX
- **BOEING COMPANY, THE 0261-EX-PL-2014 WH2XDG**
New experimental to operate on spot frequencies between 31 and 45 MHz for testing a receiver box
Fixed: Middletown, DE
- **BOEING COMPANY, THE 0284-EX-PL-2014 WH2XDL**
New experimental to operate on 46.30, 47.10, 48.025, 49.00 and 49.625 MHz for testing a receiver box.
Fixed: Middletown, DE
- **BOEING COMPANY, THE 0304-EX-PL-2014 WH2XDT**
New experimental to operate on spot frequencies between 55.00 and 82.00 MHz to support testing of custom receiver box
Fixed: Middletown, DE
- **BOEING COMPANY, THE 0313-EX-PL-2014 WH2XEP**
New experimental to operate on 2365 MHz for testing to support Boeing KC-46A EMD program.
Mobile: Seattle, WA; Moses Lake, WA
- **DRS TRAINING & CONTROL SYSTEMS, LLC 0074-EX-PL-2014 WH2XBV**
New experimental to operate in 5.4-5.8 GHz for testing for Air Force contract
Mobile: Temporary Fixed Ground Operations, Ft. Walton Beach, FL
- **G2, INC 0113-EX-PL-2014 WH2XDH**
New experimental to operate in 890-915 MHz and 935-960 MHz for operation of a GSM900 cellular test lab to facilitate internal research and development.
Mobile
- **HARRIS CORPORATION 0287-EX-PL-2014 WH2XEE**
758-768 MHz and 788-798 MHz to evaluate, develop, and test public safety grade Long Term Evolution (LTE) technologies
Fixed & Mobile: Annapolis Junction (Howard), MD
- **HAWAII AT MANOA, UNIVERSITY OF 0285-EX-PL-2013 WH2XAO**
New experimental to operate in 437.26-437.28 MHz, 145.97-145.99 MHz and on 2415 MHz to develop and demonstrate an experimental COTS satellite bus
Mobile: LEO 470 km, 93 Deg incl
- **JARVINIAN ADVISORS 0215-EX-PL-2014 WH2XCY**
New experimental to operate in 1300 MHz and 1700 MHz bands to test 4G technologies
Fixed: Boston (Suffolk), MA; New York City, NY

- **KESTREL ELECTRONIC DESIGN LLC 0167-EX-PL-2014 WH2XDE**
 New experimental to operate in 1.72-1.8 MHz for testing the next generation of digital audio transmission over radio
 Fixed: Victor (Ontario), NY; Penn Yan (Yates), NY
- **LIFEWAVE BIOMEDICAL 0111-EX-PL-2014 WH2XDY**
 New experimental to operate in 3.1-6.1 GHz to design and test a new UWB transceiver
 Fixed: Los Altos (Santa Clara), CA
- **LOCKHEED MARTIN CORPORATION 0133-EX-PL-2014 WH2XBG**
 New experimental to operate in the 9000 MHz band for Synthetic Aperture RADAR (SAR) Testing
 Mobile: Goodyear, AZ
- **MEDTRONIC DIABETES 0096-EX-PL-2014 WH2XBD**
 New experimental to operate in the 2.4 GHz band to research, test and design of diabetes devices
 Mobile: Renton, WA
- **MERVYN SCHWEIGERT 0198-EX-PL-2014 WH2XCR**
 New experimental to operate in 465-490 kHz to test antennas
 Fixed: Maunaloa (Maui), HI
- **MORGAN COMMUNICATIONS LLC 0179-EX-PL-2014 WH2XCF**
 New experimental to operate in 6113.22 - 6365.26 MHz to test antennas
 Fixed: Monterey (Monterey), CA
- **NANOSATISFI INC. 0213-EX-PL-2014 WH2XCV**
 New experimental to operate on 400 MHz to test a Cubesat, Lemur 1 satellite
 Fixed & Mobile: San Francisco (San Francisco), CA; New York (New York), NY; Shady Shores (Denton), TX; Sandy (Salt Lake), UT; Chicago (Cook), IL; Hawaii (Hawaii), HI; Chelmsford (Middlesex), MA; Nongeostationary Space Orbit
- **PANASONIC AVIONICS CORPORATION 0013-EX-PL-2014 WG2XZY**
 New experimental to operate in frequency bands between 410 and 5825 MHz for aircraft testing
 Mobile: Dallas Fort Worth International Airport, TX
- **PORTS, MICHAEL E. 0054-EX-PL-2014 WH2XBH**
 New experimental to operate in 135.70 - 137.80 and 472.00 - 479.00 kHz band for study of the ionosphere
 Fixed: Glendale (Maricopa), AZ
- **QUALCOMM TECHNOLOGIES, INC. 0283-EX-PL-2014 WH2XDJ**
 New experimental to operate in 1695.00 - 1710.00 MHz to test experimental 3G/4G technology.
 Mobile: San Diego, CA
- **RAYTHEON TECHNICAL SERVICES COMPANY 0066-EX-PL-2014 WH2XAP**
 New experiment to operate in 4400-4500 MHz to test and design of a data link
 Mobile: Marion, IN
- **SPIDERCLOUD WIRELESS, INC 0129-EX-PL-2014 WH2XEQ**
 New experimental to operate in 2620-2670 MHz to test 3G femtocell wireless products
 Fixed: San Jose (Santa Clara), CA

- **TRANSPORTATION TECHNOLOGY CENTER 0247-EX-PL-2014 WH2XDB**
New experimental to operate on 217.8675 and 219.3675 MHz for testing positive train control (PTC) systems
Fixed: Pueblo (Pueblo), CO
- **UNIVERSITY OF MINNESOTA DULUTH 0197-EX-PL-2014 WH2XCW**
New experimental to operate in 462.5375 - 462.7375 and 467.5375 - 467.7375 MHz to test and develop antenna theory
Fixed & Mobile: On the University of Minnesota Duluth campus, Duluth, MN
- **VINCENT BAKER 0300-EX-PL-2014 WH2XDO**
New experimental to operate in 945 – 955 MHz for testing digital radio
Fixed: Cherry Hill (Camden), NJ